

**Docket No. 217 – Development and Management Plan Inspection**

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

**Date:** November 2, 2005

**Inspector:** Diana Walden

**Location:** 115 kV Underground Route

**Storm/**

**Rain Event:** Only a trace of rain was reported since the last inspection as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Vault Openings and Trench Construction	- <b>Bethel Educational Park:</b> Work here is complete and the gully was repaired with stone. 11/2/05	-See erosion control section for specifics. 11/2/05
<b>Hoyts Hill Transition Structure</b>	-The transition structure has been installed here and work will return to pull cable in the future. 10/27-11/2/05	- None at this time. 11/2/05
<b>Gallows Hill Road and Rt. 107, Redding</b>	-Stone has been placed along the slope up to the ROW in order to stabilize. 11/2/05  - Materials remained at the work site near Lois Lane. 10/19-11/2/05  - Work was ongoing to bring the street to permanent grade and pavement along Rt. 107. Cable pulling was also ongoing in this area. 11/2/05	-See additional sections for more specific information. 11/2/05   - Controls were noted on catch basins and no other issues were present. 11/2/05
<b>Rt. 58, Bethel</b>	- Crews continue work along Rt. 58, proofing ducts and bringing the roadway to final grade. Sawcutting activities are included in this work. 10/27-11/2/05	- See the erosion control and additional sections for more information. 11/2/05

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<b>Broad Street/ROW, Norwalk</b>	- Both pits at the jack and bore under the railroad on Broad St. have been backfilled. The area is still being brought to grade. 11/2/05	-Activities were fairly well contained here. 10/12-11/2/05
<b>Broad Street/ROW, Norwalk</b>	- Trench work has continued towards Rt. 7 and connecting to the vault on Broad St. 10/27-11/2/05 -Some excavation continues near the substation in the ROW to connect the duct bank. 10/12-11/2/05	- Perform restoration measures along Broad St. when feasible when work here is complete. 11/2/05 - Controls on the ROW are well in place. 11/2/05
<b>Rt. 7, Norwalk</b>	- Nightwork continues along Rt. 7. Continue to monitor potential sediment/catch basin issues. 10/19-11/2/05  - Erosion controls at the Merritt cloverleaf concrete washout were still degraded although the extraneous concrete was picked up. 10/27-11/2/05  - Trenching from Rt. 7 into Norwalk Junction transition station is complete but used absorbent booms remain at the site. 10/27-11/2/05	- See erosion control section for specific information. 10/19-11/2/05  -See erosion control and storage sections regarding concrete disposal for this work. Repairs were being made by the end of the week. 11/2/05  - Absorbent booms left behind need to be removed. See erosion control and spill sections for more information. 10/19-11/2/05
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- Silt fence will be removed from most areas as the street work is largely complete. Fence should only be removed if the adjacent area has not been disturbed or if it has been seeded and mulched. 10/27-11/2/05	- If the road grade work causes further disturbance, the area must be restored with additional mulch. 10/27-11/2/05

Areas of Inspection	Observation	Recommended Action
<b>Bethel Educational Park</b>	<ul style="list-style-type: none"> <li>- The gully noted on the northern part of the ROW has been placed with stone and will hopefully remain stable. 11/2/05</li> <li>- A small washout was also noted along the southern ROW. 10/27-11/2/05</li> <li>-Silt fence was in good shape in all locations. The slope at the southern end of the ROW remains stable at this time. 11/2/05</li> </ul>	<ul style="list-style-type: none"> <li>-Continue to monitor but the stone placement looks good. 11/2/05</li> <li>- Continue to monitor. 11/2/05</li> <li>- If necessary, place mulch and seed or less preferable, stone along the slope to further stabilize. 11/2/05</li> </ul>
<b>Hoyts Hill Riser Transition Structure (Off Rt. 58)</b>	<ul style="list-style-type: none"> <li>-The transition structure has been installed here. Erosion controls can be removed around the upgradient portion but should remain at the low points. 10/27-11/2/05</li> </ul>	<ul style="list-style-type: none"> <li>- Remove upgradient erosion controls when convenient. Equipment will return here for some cable work but the area should be stabilized after that. 11/2/05</li> </ul>
<b>Route 58</b>	<ul style="list-style-type: none"> <li>- Most catch basins near the work areas are being consistently placed with either haybales or fabric and are well protected. Sawcutting was occurring as part of the final road grade and crews were working to sweep up the muds. 11/2/05</li> <li>- Work just north of the Sunoco had put some stress on the silt fence here and it was down in several locations. 10/27-11/2/05</li> <li>- The stream at Sara's Way is still running clear and doing well but sawcutting mud was noted immediately adjacent on the roadway. 11/2/05</li> <li>- Silt fence should be retained at the stream and at the Putnam Park storage area near the pond. 10/27-11/2/05</li> <li>- Good restoration efforts (seed and mulch) were noted at the Rt 58/107 intersection- Putnam Park area. 11/2/05</li> </ul>	<ul style="list-style-type: none"> <li>-In general, contain slurry or mobile sediment to work areas and street sweep the road extent including the gutters, regularly and maintain controls on all catch basins and inlets. 11/2/05</li> <li>- Repair any holes and areas that were pushed over or restore the edge of roadway with seed/mulch and remove the fence. 11/2/05</li> <li>- Use caution in areas close to wetlands/waterways like this. Continue to monitor for complete restoration along the banks. 11/2/05</li> <li>- None at this time. 11/2/05</li> </ul>

Areas of Inspection	Observation	Recommended Action
<b>Gallows Hill Road</b>	- Cable and post guardrails were repaired along the roadway and especially in the vicinity of #116. 11/2/05	- Repairs and restoration along this roadway look very good. None at this time 11/2/05
<b>Rt. 107 (Lonetown Rd)</b>	- Silt fence can be removed from areas along the roadway if they are stabilized with seed/mulch even with work returning for permanent grade. 10/19-11/2/05  - Active roadwork was noted here, including cable pulling. Catch basins were protected for the most part. 11/2/05  - Work materials were still noted near Lois Lane. The bank cut area here should be restored when work is complete. 10/5-11/2/05	- Monitor road work and make sure no soil is stockpiled. Restore the roadside if equipment causes disturbance during this phase. 10/19-11/2/05  - None at this time but restore when work is complete. 10/5-11/2/05
<b>Broad Street and ROW, Norwalk</b>	- The silt fence is well installed along most of the ROW including near the substation where excavation was occurring. Topsoil was also being spread in preparation for restoration. 11/2/05 - A small concrete washout was noted on the ROW. 11/2/05  - Bare soil areas are located along the roadway edges but work is still actively returning here. 10/12-11/2/05  - The jacking and receiving pits off Broad St. have been backfilled and are being brought to grade. 11/2/05	- Continue to maintain silt fence if needed. 11/2/05  - This has not typically been a problem with this project but remind drivers to use the washout area. 11/2/05  - Restore areas as feasible and within time limits specified by the D&M plan and after the work here is completed. 11/2/05  - The area is still contained. None at this time. 11/2/05

Areas of Inspection	Observation	Recommended Action
<b>Rt. 7, Norwalk</b>	<p>- It appears that sediment/asphalt “pebbles” were still present in the gutters from Rt. 7 nightwork. 10/19-11/2/05</p> <p>-115kv work was complete at Norwalk Junction but absorbent booms were still left behind at the site. 10/27-11/2/05</p>	<p>- Continue to use the vac truck for any sawcutting muds and be sure to sweep up leftover materials as part of “good housekeeping”. 11/2/05</p> <p>-Remove and dispose of the booms appropriately. 11/2/05</p>
Contaminated Soils	<p>-Soil disposal is no longer a major component of the project as most areas of trench work are completed. Clean process was brought in to bring roadways to grade. All remaining soil work is still being handled as approved. 11/2/05</p>	<p>- All soils appear to be handled appropriately. 11/2/05</p> <p>- It has been determined that the Redding landfill will use all soils from the roadways in Redding that are considered clean, (based on acceptable RSR levels), as daily cover.</p>
Adjacent Wetlands and Waterways	<p>-The stream near Sara’s Way off Rt. 58 remains clear and banks are free from erosion. 11/2/05</p> <p>- Some sawcutting mud was noted on the adjacent roadway but did not reach the resource area. 11/2/05</p>	<p>- None at this time. Continue to monitor for final vegetative stabilization. 11/2/05</p> <p>- Attempts have been made to handle the muds 11/2/05</p>
Staging, Storage, and Parking Areas	<p>-The controls at the concrete washout near the Merritt cloverleaf were still degraded although the extraneous concrete was removed. The plastic liner still needs to be installed here. 10/27-11/2/05</p> <p>- The additional controls installed at the Redding Yard continue to be effective in retaining the concrete washout water. Minor repairs were made to the outlet measures. 11/2/05</p> <p>- At the storage area off Rt. 58 near the Putnam Park entrance, controls remain in good shape and only frac tanks remain behind. 11/2/05</p>	<p>- The area is high use and apparently is difficult to clear out long enough to make repairs. (This washout area is also used for other O&amp;G projects). Repairs have since been made, following the inspection. 11/2/05</p> <p>- This area is not as highly used as it was previously in the project but is still under good maintenance. 11/2/05</p> <p>-Retain the silt fence here due to the proximity of the pond. 11/2/05</p> <p>- Maintain fence as long as the</p>

Areas of Inspection	Observation	Recommended Action
	- The silt fence at the remaining storage yards seems to be in sufficient shape for the work being done here. 11/2/05	areas are being used but it can be pulled if the storage areas are mulched/restored. 10/27-11/2/05
State species of concern, threatened and endangered species	- No species of concern are located in the areas of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	- Mulching of bare areas is ongoing and should continue and areas should be seeded as necessary. When the areas are mulched and seeded, silt fence can be removed where work will not return. 9/7-11/2/05	- The D&M plan requires that disturbed areas to be left for more than 21-30 days before work returns here should be temporarily stabilized with mulch or seed within 7-14 days.
Dewatering	- Almost all dewatering discharge along the route is being directed to frac trucks or tanks due to concerns about the polluted soils. 7/21-11/2/05 -Dewatering is usually only needed near duct proofing activities now that most trench work is complete. 10/27-11/2/05	- It appears that the storage and disposal solution will continue due to concerns about the background pollutants in soils, even in those not considered contaminated. 7/21-11/2/05
Blasting	- No blasting is occurring in any areas at this time.	- None at this time.
Spills and Material Storage	- A report of any leaks or spills that reach the ground and occur during the week should be provided to BSC from internal project inspectors 6/15-11/2/05  - In general catch basins, inlets and swales should continue to consistently be protected especially in any area with sawcutting activities. Efforts have been good at this point. 11/2/05  - Absorbent booms were left behind on the Norwalk Junction site and should be removed. 10/19-11/2/05  - A small concrete washout was	- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis and keep spill kits on hand. Report spills immediately, even if they are being controlled. - The contractors should remain vigilant about securing and handling fuel and material containers. - Equipment and materials should not be stored in wooded areas unless it is designated for storage.

Areas of Inspection	Observation	Recommended Action
	noted on the ROW near Broad St. This has not typically been a problem on this project but drivers should be reminded. 11/2/05	

**Next likely scheduled  
inspection:**

Thursday, November 10, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:**

Diana Walden



115kV (Broad Street and ROW): The photo on the left shows an overview of the ROW with topsoil and a few stockpiles. Photo on the right shows an apparent small concrete washout that occurred on the ROW. 11/2/05



115kV (Route 7): Photo on the left shows the receiving pit of jack and bore having been mostly backfilled. Photo on the right shows some evidence of sediment/asphalt "pebbles" left behind along the road's edge. This should be swept up. 11/2/05



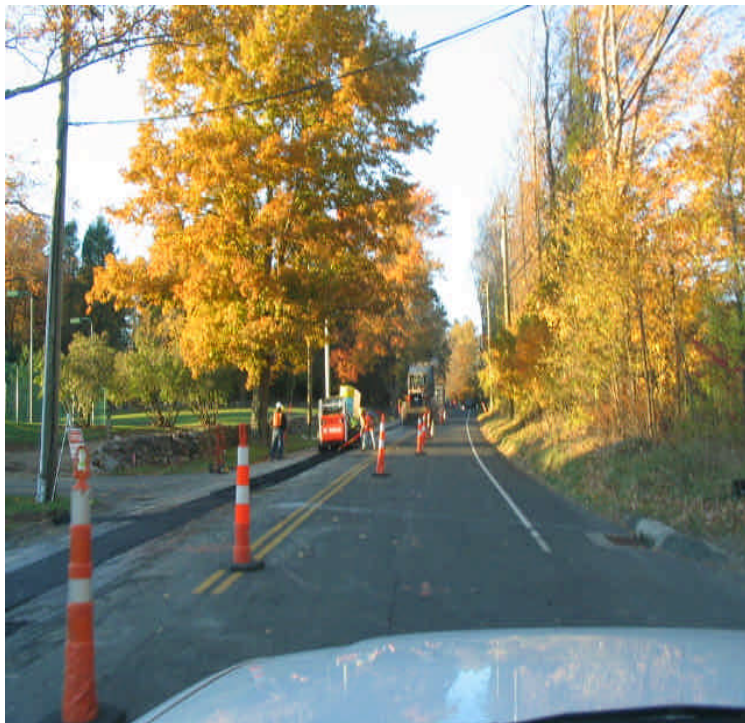
Photo shows the Merritt cloverleaf concrete washout with controls in disrepair again. Washout water will escape this area until a liner is installed. Repairs were made later this week. 11/2/05



115kV (Rt 7 and Gallows Hill Rd). Photo on the left shows trenching operations from the jack and bore on Broad St. up to Rt. 7. Photo on the right shows the slope leading to the ROW placed with stone to stabilize. 11/2/05



Both photos show nice restoration/replacement of the posts and cable guardrail along Gallows Hill Rd. 11/2/05



115kV: (Rt. 107 and Rt 58). Both photos show the work to bring the state routes to permanent grade. Cable work was also occurring along Rt. 107 in the photo on the left. 11/2/05



115kV (Rt. 58): Photo on the left shows good restoration of the Putnam Park area where the most recent vault transition/trench work had occurred. Photo on the right shows the silt fence north of Sunoco where stormwater has washed over it. The roadway edge should be restored and the silt fence pulled or the silt fence should be repaired. 11/2/05



115kV (Rt. 58 and Bethel Ed. Park): Photo on the left shows some sawcutting material potentially getting off the roadway edge in the vicinity of the stream. The photo on the right shows the stone fill placed in the gully at the northern end of the ROW in an attempt to stabilize it. 11/2/05